Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/31/2018 09:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125428	0	2.04	125441	1.98
Blue	F	SSC	125000	123231	-2	2.26	123871	2.29
Blue	E	FITC	15760	15282	-4	3.10	329	22.62
Blue	D	PE	25880	25283	-3	2.13	549	16.98
Blue	B	PerCP-Cy5-5	34075	34164	0	4.29	1051	23.07
Blue	A	PE-Cy7	22776	23069	1	7.40	555	45.19
Red	C	APC	42488	41917	-2	2.72	1583	13.05
Red	A	APC-Cy7	24478	24299	-1	2.83	836	13.19
Violet	B	V450	6304	6148	-3	4.16	353	17.21
Violet	A	V500	26005	25327	-3	3.70	594	13.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20825	9.06	610	13	N/A	N/A	Pass
Blue	F	SSC	56062	1.67	577	22	N/A	N/A	Pass
Blue	E	FITC	58	74.13	563	7	0.0156	190	Pass
Blue	D	PE	114	59.67	557	8	0.1318	338	Pass
Blue	B	PerCP-Cy5-5	197	55.73	657	10	0.0070	50	Pass
Blue	A	PE-Cy7	107	111.68	710	13	0.0091	23	Pass
Red	C	APC	374	28.06	601	1	0.0213	198	Pass
Red	A	APC-Cy7	203	28.45	572	1	0.0044	570	Pass
Violet	B	V450	58	77.66	498	9	0.0300	2708	Pass
Violet	A	V500	90	44.33	515	9	0.0126	926	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.58	-31.32	0.93
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.40
Red	17.88	13.60 - 20.40	N/A	N/A	30.73	31.66	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10251

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments